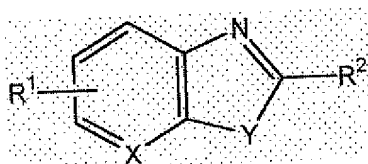


**AMENDMENT TO THE CLAIMS:**

The following is a listing of claims in the subject application and is to replace all prior versions and listings of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently amended) A method for inhibiting 5-lipoxygenase in a subject, comprising administering a compound of formula (I) or a pharmaceutically acceptable salt thereof to the subject in an amount effective for the inhibition of 5-lipoxygenase:



(I)

wherein

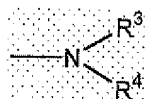
X is CH or N;

Y is S or O;

$R^1$  is H, OH, halogen,  $C_{1-6}$  alkyl, nitro, cyano, amino, di- $C_{1-6}$  alkylamino,  $C_{1-6}$  alkoxy,  $C_{1-6}$  hydroxyalkyl or  $C_{1-6}$  alkylcarbonyl; and

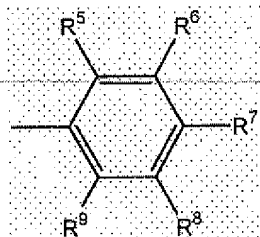
$R^2$  is

(i)



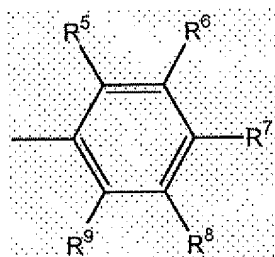
wherein  $R^3$  is H or  $C_{1-6}$  alkyl;

$R^4$  is



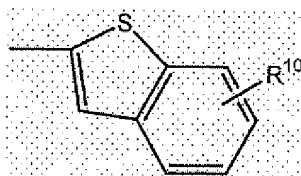
wherein  $R^5$ ,  $R^6$ ,  $R^7$ ,  $R^8$  and  $R^9$  are independently H, OH, halogen,  $C_{1-6}$  alkyl,  $C_{1-6}$  haloalkyl, nitro, cyano, amino, di- $C_{1-6}$  alkylamino, mercapto,  $C_{1-6}$  mercaptoalkyl, halogen-substituted  $C_{1-6}$  mercaptoalkyl, phenylazo,  $C_{1-6}$  alkylphenylazo,  $C_{1-6}$  alkylcarbonyl,  $C_{1-6}$  alkoxy or  $C_{1-6}$  hydroxyalkyl,

(ii)



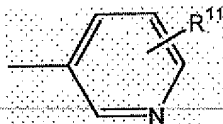
wherein  $R^5$ ,  $R^6$ ,  $R^7$ ,  $R^8$  and  $R^9$  are as defined in (i),

(iii)



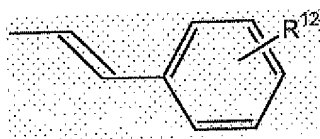
wherein  $R^{10}$  is H or  $C_{1-6}$  alkyl,

(iv)



wherein  $R^{11}$  is H,  $C_{1-6}$  alkyl, halogen, mercapto or  $C_{1-6}$  mercaptoalkyl, or

(v)



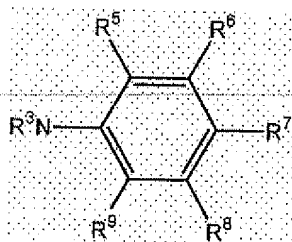
wherein  $R^{12}$  is H, OH, halogen,  $C_{1-6}$  alkyl, nitro, cyano, amino, di- $C_{1-6}$  alkylamino,  $C_{1-6}$  alkylcarbonyl,  $C_{1-6}$  alkoxy or  $C_{1-6}$  hydroxyalkyl,

with the proviso that when  $R^2$  is (ii) or (iv), Y is S.

2. (Currently amended) The method of claim 1, which is used for preventing or treating a leukotriene-related disease selected from the group consisting of: asthma, pertussis, psoriasis, rheumatic arthritis, arthritis, inflammatory bowel disease, cystic fibrosis, acute/chronic bronchitis, sepsis, cardiac myoischemia, cardiac anaphylaxis, ischemia and allergic rhinitis.

3. (Original) The method of claim 2, wherein the disease is asthma.

4. (Previously presented) The method of claim 1, wherein  $R^2$  is



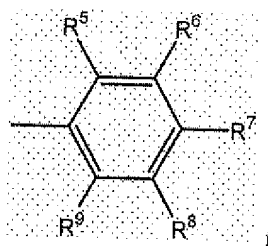
wherein

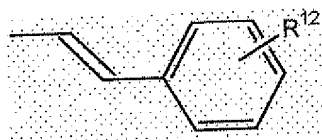
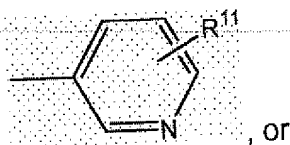
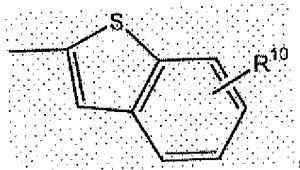
$R^3$  is H or  $C_{1-6}$  alkyl;

$R^5$ ,  $R^6$ ,  $R^7$ ,  $R^8$  and  $R^9$  are independently H, OH, halogen,  $C_{1-6}$  alkyl,  $C_{1-6}$  haloalkyl, nitro, cyano, amino, di- $C_{1-6}$  alkylamino, mercapto,  $C_{1-6}$  mercaptoalkyl, halogen-substituted  $C_{1-6}$  mercaptoalkyl, phenylazo,  $C_{1-6}$  alkylphenylazo,  $C_{1-6}$  alkylcarbonyl,  $C_{1-6}$  alkoxy or  $C_{1-6}$  hydroxyalkyl.

5. (Original) The method of claim 4, wherein  $R^1$  is H, halogen,  $C_{1-6}$  alkyl or nitro; and  $R^5$ ,  $R^6$ ,  $R^7$ ,  $R^8$  and  $R^9$  are independently H, halogen,  $C_{1-6}$  alkyl or phenylazo.

6. (Currently amended) The method of claim 1, wherein Y is S; and  $R^2$  is





wherein

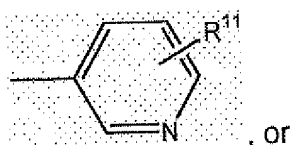
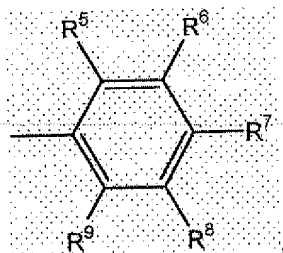
$R^5$ ,  $R^6$ ,  $R^7$ ,  $R^8$  and  $R^9$  are independently H, OH, halogen,  $C_{1-6}$  alkyl,  $C_{1-6}$  haloalkyl, nitro, cyano, amino, di- $C_{1-6}$  alkylamino, mercapto,  $C_{1-6}$  mercaptoalkyl, halogen-substituted  $C_{1-6}$  mercaptoalkyl, phenylazo,  $C_{1-6}$  alkylphenylazo,  $C_{1-6}$  alkylcarbonyl,  $C_{1-6}$  alkoxy or  $C_{1-6}$  hydroxyalkyl;

$R^{10}$  is H or  $C_{1-6}$  alkyl;

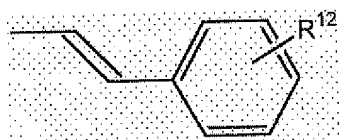
$R^{11}$  is H,  $C_{1-6}$  alkyl, halogen, mercapto or  $C_{1-6}$  mercaptoalkyl; and

$R^{12}$  is H, OH, halogen,  $C_{1-6}$  alkyl, nitro, cyano, amino, di- $C_{1-6}$  alkylamino,  $C_{1-6}$  alkylcarbonyl,  $C_{1-6}$  alkoxy or  $C_{1-6}$  hydroxyalkyl.

7. (Currently amended) The method of claim 6 1, wherein Y is S; R<sup>1</sup> is H or C<sub>1-6</sub> alkyl; and R<sup>2</sup> is



, or



wherein R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, R<sup>8</sup> and R<sup>9</sup> are independently H, OH, halogen, C<sub>1-6</sub> alkyl, C<sub>1-6</sub> haloalkyl, nitro, cyano, amino, di-C<sub>1-6</sub> alkylamino, mercapto, C<sub>1-6</sub> mercaptoalkyl, halogen-substituted C<sub>1-6</sub> mercaptoalkyl or C<sub>1-6</sub> alkoxy;

R<sup>11</sup> is H, C<sub>1-6</sub> alkyl, halogen, mercapto or C<sub>1-6</sub> mercaptoalkyl; and

R<sup>12</sup> is H, halogen or C<sub>1-6</sub> alkyl.

8-9. (canceled)

10. (Previously presented) The method of claim 1, wherein the compound of formula (I) is

